Breathtaking

CataRhex 3®

oertli®
SWITZERLAND

CataRhex 3®

Strong, Beautiful, Unique - For you

Breathtaking and Unique

Friendliness and simplicity are the first striking features you notice about CataRhex 3® – but never underestimate its power! Requiring remarkably little space, CataRhex 3® provides the full functionality of a large unit as well as unprecedented reliability. Owning this device and working with it is simply a pleasure.

- Truly portable, 5 kg
- Short start-up time, 5 sec
- Comfortable and precise handling
- Built-in compressor
- 1200 cuts for anterior vitrectomy
- Linear multifunctional pedal
- Programmable for 20 surgeons
- New CortexMode™
- *easy*Phaco® technology
- Femto lens aspiration
- HFDS® ab interno MIGS technology

For more information visit www.oertli-catarhex3.com

Oertli Instrumente AG | Switzerland | 2013.10

oertli® SWITZERLAND

14 Accessories and Spares

Unit Accessories

VC830201	Vitrex vitreoretinal extension unit
VE820001	Mobile Infusion Stand
VX520010	Fuses, 3.15 AT, high cut-off capacity

Consumables

VV621003	I/A tubing set, autoclavable, in packs of 3
VV621010	I/A tubing-set, single use, box of 10
VV909709	Waste liquid container for repeated use
VV909711	Waste liquid container for single use
VV603200	Irrigation sleeve

Phaco Instruments

VG800011	Ultrasonic Phaco Hand Piece
VV800315	Phaco Tip, Excellerator Titanium, 15°
VV800330	Phaco Tip, Excellerator Titanium, 30°
VV800345	Phaco Tip, Excellerator Titanium, 45°
VV800415	Phako – Spitze "Excellerator 2",15 °
VV800430	Phako – Spitze "Excellerator 2", 30 °
VV800530	Phaco Tip, Ergo-Excellerator, Titanium, 30°(Kelman)
VV800630	CMP Tip 19G
VV800730	CMP Tip 20G
VE800100	Titanium key for phaco tips

Vitrectomy Instruments

VE100100	Drive for SDS Instruments
VV101301	SDS Guillotine Cutting Head
VG601151	SDS Irrigation - Sleeve, 1.5 mm for repeated use
VE103100	Drive for SUS Instruments
VV103006	SUS Guillotine Cutting Head
VG601351	SUS Irrigation - Sleeve, 1.5 mm for repeated use

Diathermy Instruments

VE210710	Diathermie–Handstück "plug–on" lang
VE201712	Diathermy ”plug-on” hand piece
VE201722	”Plug-on” eraser tip
VE201723	Endo-diathermy tip "plug–on"
VE201726	”Plug-on” capsulotomy tip
VE203902	”Plug-on” bipolar forceps

15 Surgeon-Memories, Loudness-Level (AUX key)

15.1 Surgeon Memory

The surgeon memory can be selected using the arrow keys immediately after switching the unit to power, after RESET or while keeping the AUX key depressed.

15.2 Loudness-Level (AUX key)

Loudness can be adjusted from 0 to 100% using the appropriate arrow keys while keeping the AUX key depressed. The alarm sound in DIA and CAPS cannot be entirely switched off.

16 Authorized Service Centers

Switzerland **Oertli Instrumente AG**
(Manufacturer)
Hafnerwisenstr. 4
CH–9442 Berneck
Tel. +41–71–7474200

Germany **Domilens GmbH**
Holsteiner Chaussee 303a
D–22457 Hamburg
Tel. +49–40–5598800

Austria **MOSITECH GmbH**
Schwefel 93
A–6850 Dornbirn
Tel. +43–5572–34534

For areas not shown contact the manufacturer.

Authorized representative in EU

Germany **Oertli Instrumente GmbH**
Magnolienweg 14
D-63741 Aschaffenburg

17 Technical Data

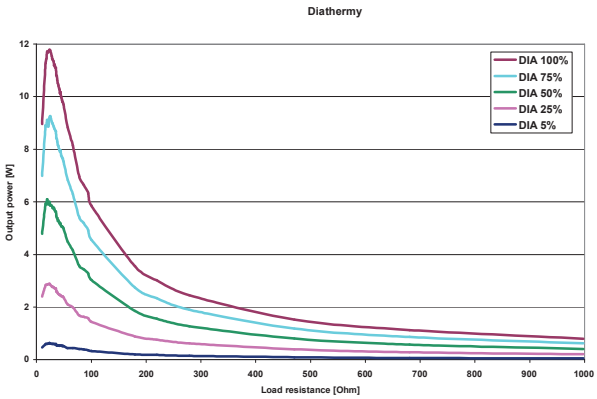
Mains voltage	100…240 VAC
Mains frequency	50…60 Hz
Power consumption	200 VA
Fuses	3.15 AT, high breaking capacity
Operating mode	continuous
Application parts	non-earthed,type BF(IEC60601-1)
Protection class	I
CE classification	II b
Phaco	26....28.8 kHz 28kHz nom. 40W ± 8 W (100%/1100 Ω) 500 Vp (100%/1100 Ω)
Diathermy	500 kHz 0-9 W, nom.at 50 Ω
HF-CUT	automatic energy control Regular 9.5W at 60 Ω High 12W at 60 Ω IDK 8.5W at 60 Ω STT 9.2W at 60 Ω
Max. HF output voltage (idle voltage)	Diathermy (100%): 85Vp Regular: 270Vp High: 340Vp IDK: 250Vp STT: 260Vp
Vitrectomy	30-1200 cuts/min 37W pulse power 210Vp with SUS cutting head
Aspiration flow	0-50 ml/min ± 25%
Vacuum	0-600 mmHg ± 10% or ± 5 mmHg, 0-80 kPa ± 10% or ±0.7 kPa
Reflux Flow	15ml/min ± 25%
Reflux Pression	150mmHg ± 10%
Noise level	<70 dB (A)
Dimensions	220 x 241 x 164 mm (W/H/D)
Weight	Unit 5.6 kg, Pedal 2.7 kg

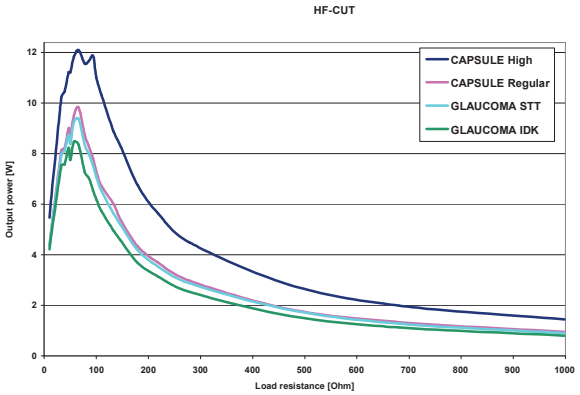
Transport and storage conditions

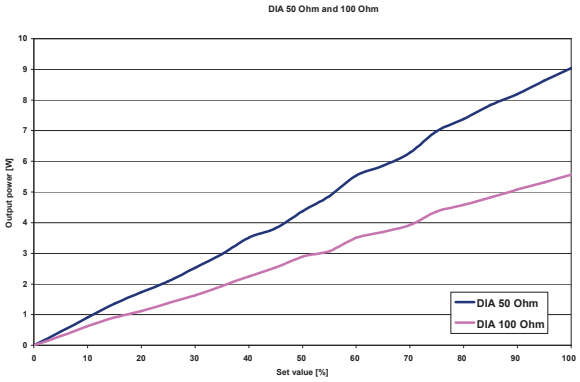
Temperature:	-20°C…+55°C
Air pressure:	500 hPh…1060 hPa
Relative air humidity:	10%…100%

Operating conditions

Temperature:	+10°C - +35°C
Air pressure:	700hPa - 1060hPa
Relative humidity:	30% - 75%, non-condensing







18 Symbols

2xT3.15AH	Fuse labeling (use only fuse as marked!)
	Equipment type B
	Attention!
	Earth bolt
	WEEE device must be disposed of by the specialist department
	Operating manual.
	Pay attention to the operating manual!
COM	Connector for communication with the „CataRhex SwissTech“ pedal.
	Manufacturer. This product fulfils the requirements of the Commission’s guidelines 93/42/EWG on medical products.
IPX6	Increased protection against water penetration (pedal only).
REF	Oertli article number.
SN	Serial number (e.g. 61610118)
	Codification of production year: SN 61JJ0118 JJ = codification of production year
	61 (JJ) – 50 = 2011 (production year)
I	On – switches on the power supply to the device.
O	Off – interrupts the power supply to the device.
	Foot switch

19 Calibration and Maintenance

IMPORTANT!
Damaged cables must be replaced immediately

Subject to the tubing systems being regularly replaced in accordance with the instructions on the delivery packs, this equipment requires the following calibration and maintenance only:
Yearly calibration:

- Adjustment of pressure sensor (see service manual)

Yearly maintenance:

- Inspect electric cables (instrument and power leads) regularly for signs of wear and damage and replace as required.